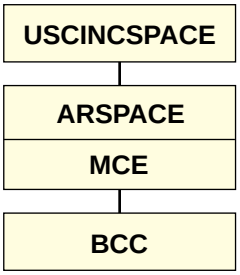
# ASAT IC2S

## Anti-Satellite Integrated Command and Control Subsystem

Command and control of an anti-satellite, or ASAT, weapon would be exercised by the Commander in Chief, U.S. Space Command, or USCINCSPACE. It would then go through the Army Space Command, or ARSPACE, to the missile firing battery.



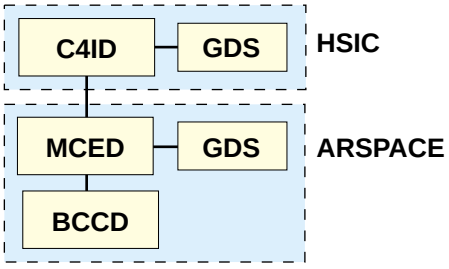

A Mission Control Element, or MCE, at ARSPACE will provide the computational capabilities to develop mission and engagement plans in response to USCINCSPACE tasking and constraints. Once a specific plan has been approved, the MCE would generate a weapon data load that would be transmitted to the Battery Control Center, or BCC, located at the launch site. When authority is received to execute an ASAT launch, the BCC would generate the final missile data load and conduct the countdown and launch.

A key element of the U.S. Army Space and Missile Defense Command's Kinetic Energy ASAT Technology Demonstration program has been the development of an Integrated Command and Control Subsystem, or IC2S. The IC2S was developed to demonstrate the basic ASAT command and control concept of operations through participation in space control exercises and war games.

The IC2S consists of three "demonstrator" nodes:

- A Command, Control, Communications, Computers, and Intelligence Demonstrator, or C4ID, located at the Space and Missile Defense Battle Lab's Hardware and Software Integration Center
- A Mission Control Element Demonstrator, or MCED, at the Army Space Command
- A Battery Control Center Demonstrator, or BCCD, at the Army Space Command.

The C4ID and MCED nodes have been augmented with a Graphics Display System, or GDS, to provide operators with visual representations of mission planning and execution status data.




The IC2S is available now for operator familiarization, training, and exercise support. In the future, it will be upgraded to support Kinetic Energy ASAT flight tests in order to demonstrate a complete end-to-end system capability.

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For more information, please contact:

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